

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 200112839A

(43) Date of publication of application: 11.05.2001

(51) Int. Cl. H02J 9/06  
H02J 9/00, H02M 7/48

(21) Application number: 11310524  
(22) Date of filing: 01.11.1999

(71) Applicant: TOKYO GAS CO LTD  
(72) Inventor: TAMURA TOYOICHI

## (54) UNINTERRUPTIBLE POWER SUPPLY SYSTEM

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To supply the power to an important load, without affecting the momentary drop of power by shielding the power system, if momentary drop of power is generated in the power supply system for feeding the power to a load from the power system.

**SOLUTION:** In an uninterruptible power supply system, comprising a serial-parallel compensation type momentary drop preventing system consisting including a parallel transformer 40 inserted in parallel to the power supply line, serial transformer 50 connected in series, parallel compensation converter 10 for bothway power conversion, serial compensation converter 20 for bothway power conversion, power-storing medium 30, parallel compensation converter control circuit 100 for controlling the parallel compensation converter and serial compensation inverter control circuit 200, power system 60 and important load 70, switch 80 is provided between such a momentary drop preventing system

and a power system 60, in order to shield the system when an opening fault of the power system is detected.

COPYRIGHT: (C)2001,JPO

